

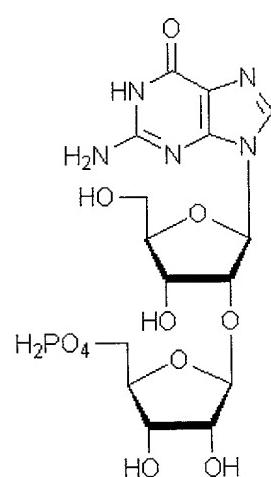
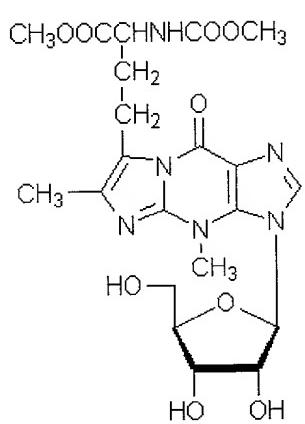
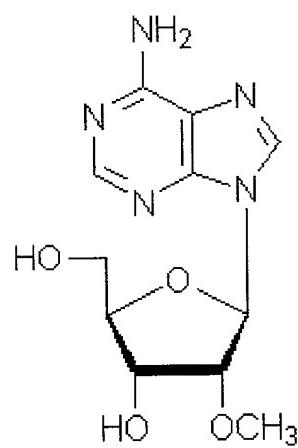
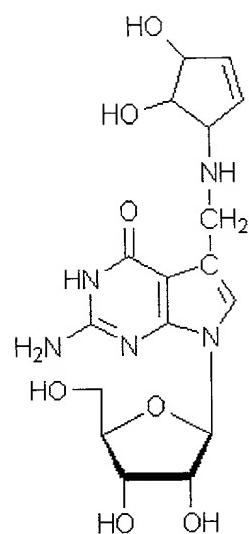
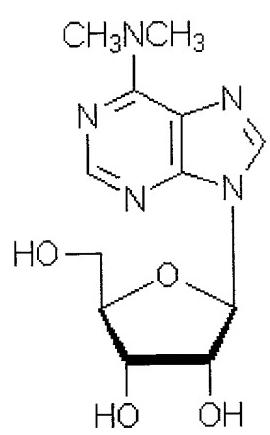
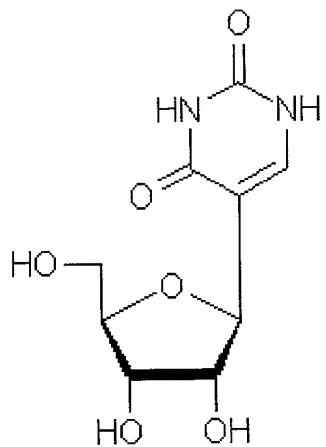
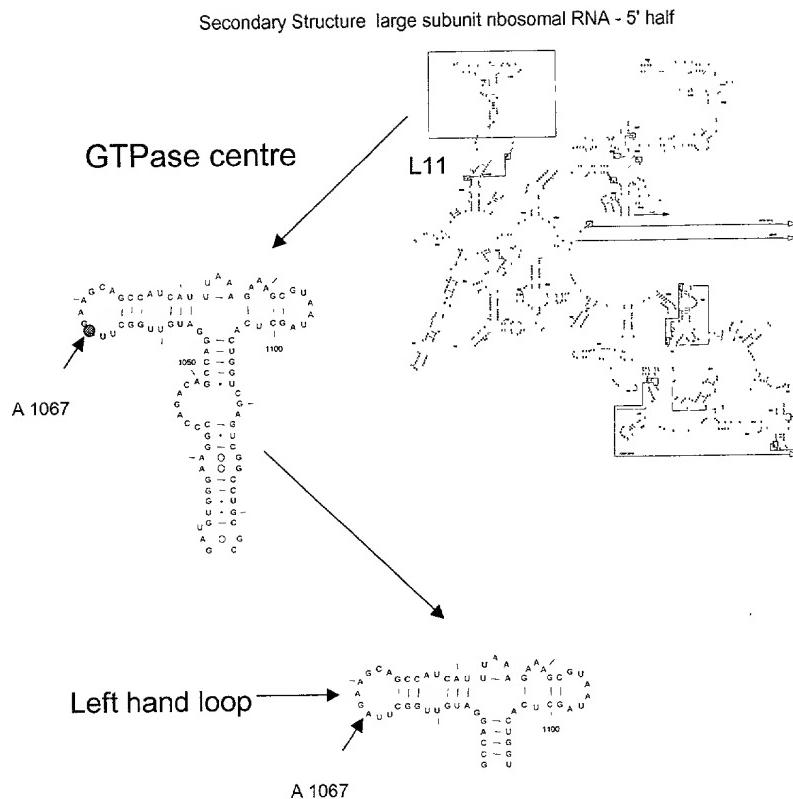
FIGURE 1

FIGURE 2**FIGURE 3**

Methylation of 23S rRNA

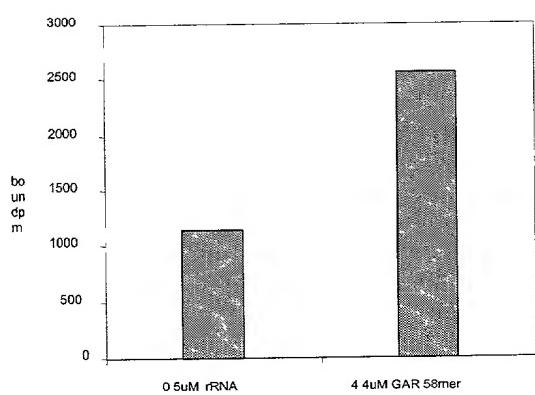


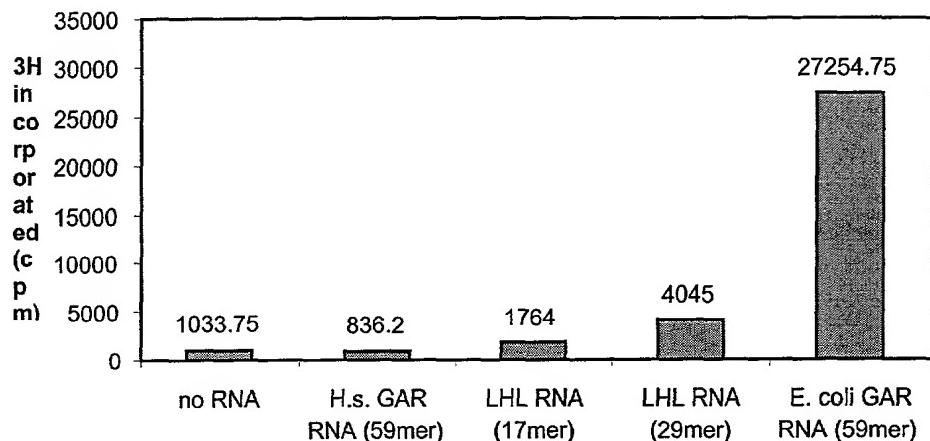
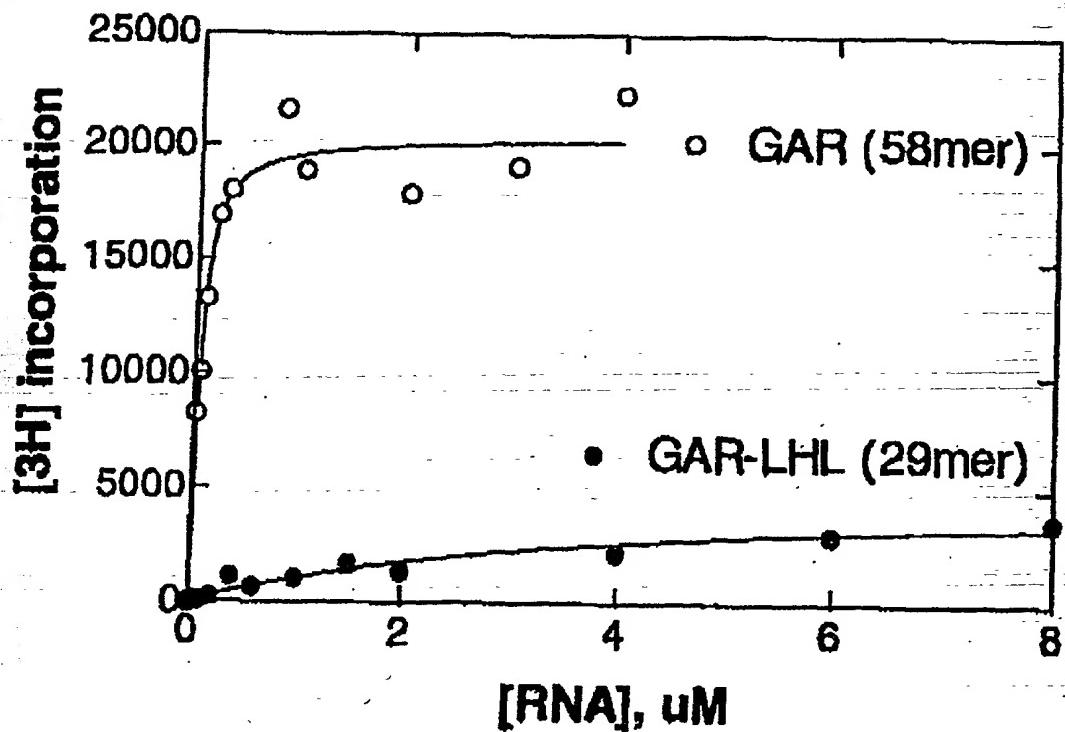
FIGURE 4A*Accessibility of the components of the GAR***FIGURE 4B****TSR methylates isolated GAR-LHL**

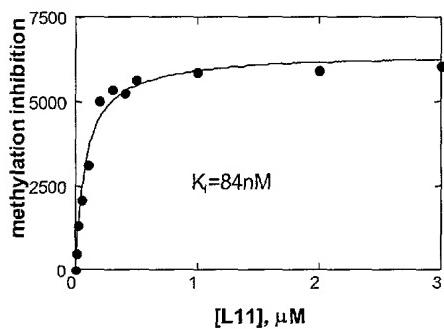
FIGURE 5*Binding of L11 by inhibition of methylation*

Figure 5

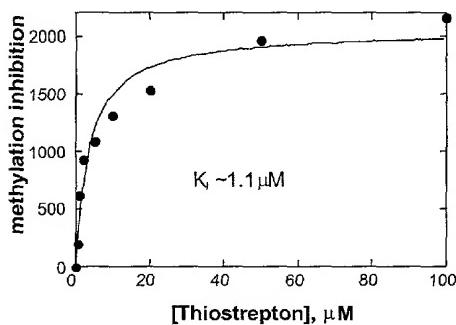
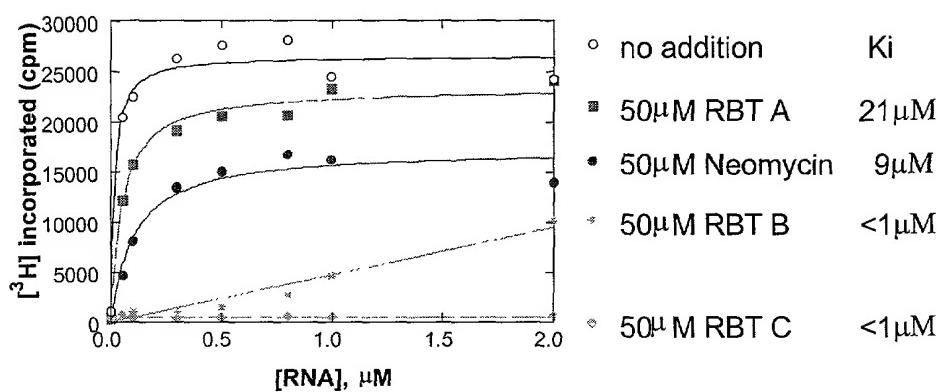
FIGURE 6*Binding of thiostrepton by inhibition of methylation***FIGURE 7***Inhibition of TSR methylation by RBT compounds*

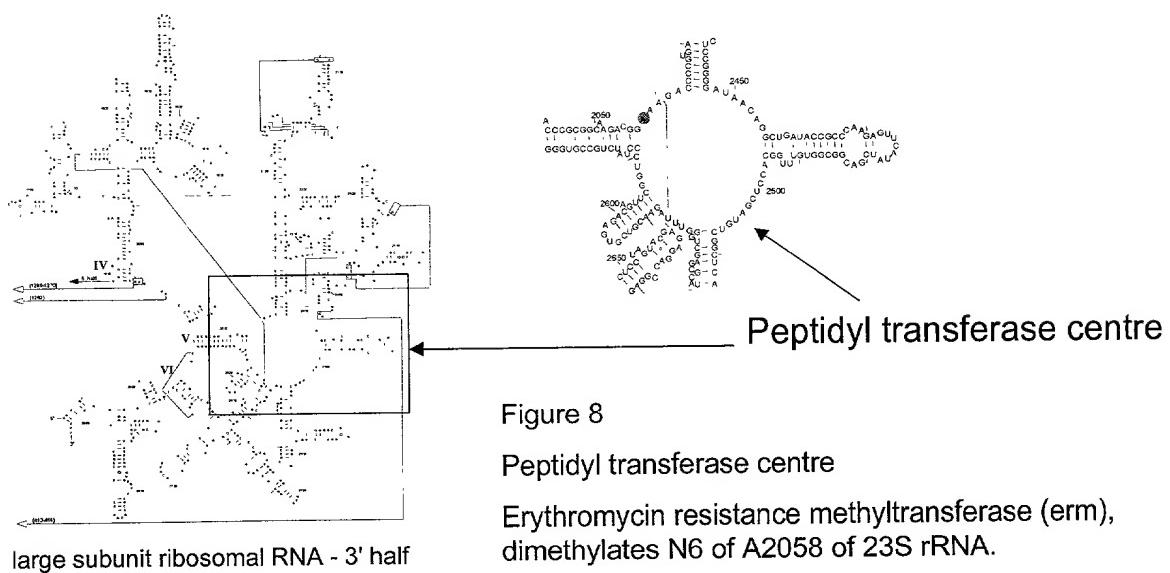
FIGURE 8**Erythromycin resistance methyltransferase (erm)**

Figure 8

Peptidyl transferase centre

Erythromycin resistance methyltransferase (erm),
dimethylates N6 of A2058 of 23S rRNA.

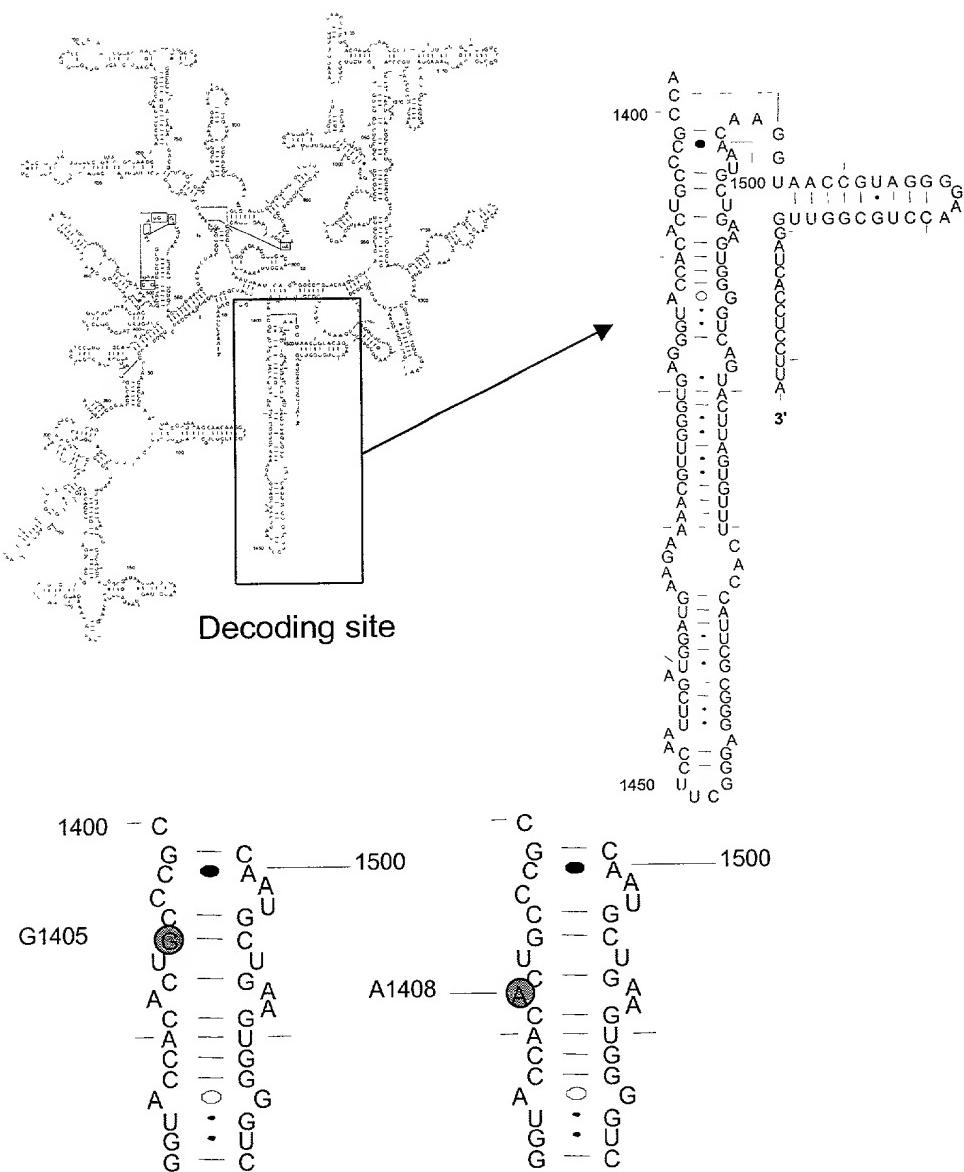
FIGURE 9**16S rRNA (*E.Coli*)**

Figure 9

Methylation modifications in the decoding site of 16S rRNA that confer resistance to aminoglycoside antibiotics:

Methyltransferase converts G1405 to 7-methylguanosine
 Methyltransferase converts A1408 to 1-methyladenosine

FIGURE 10

Secondary Structure: large subunit ribosomal RNA - 5' half

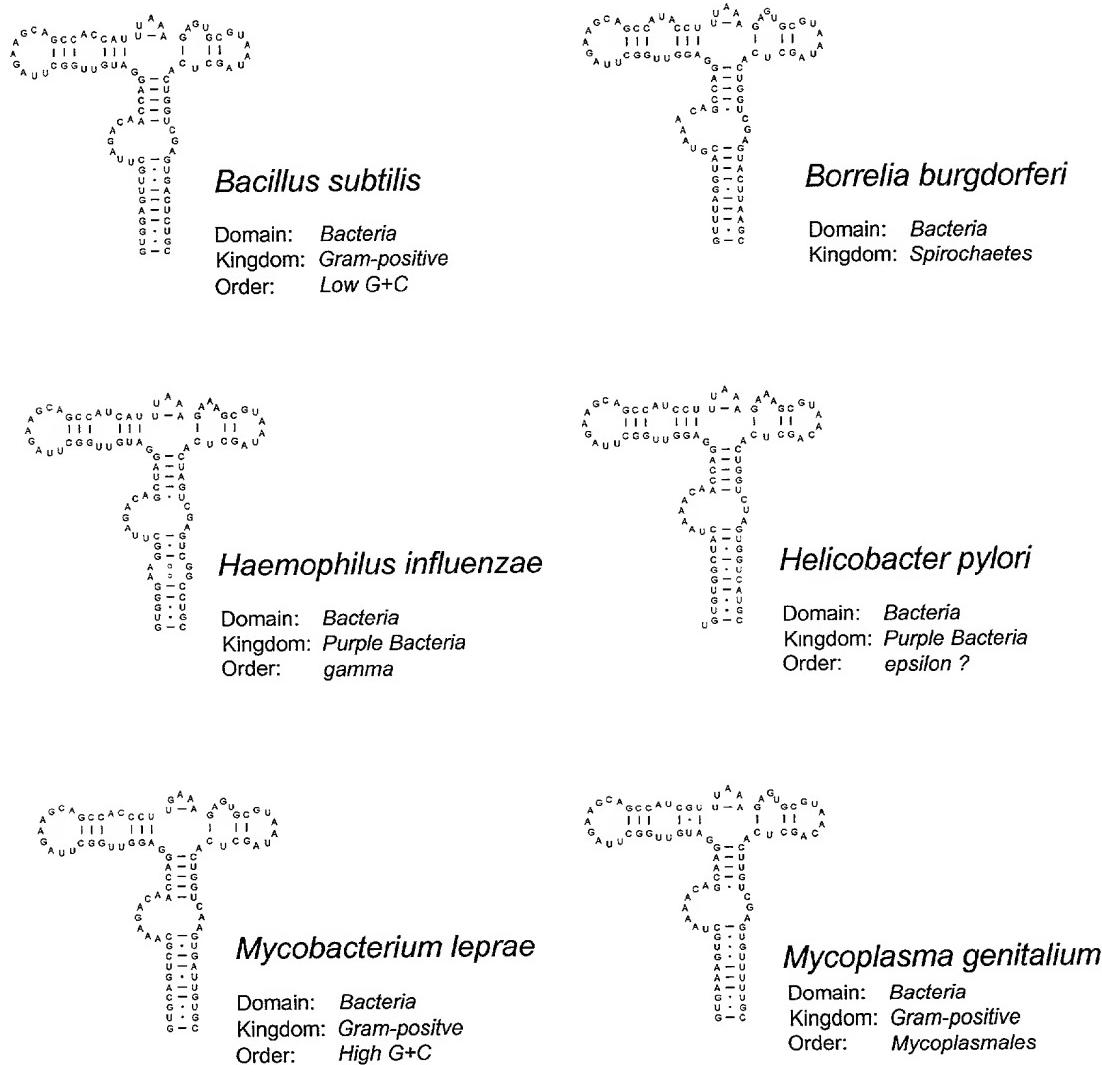


Fig10

Sites accessible to the thiostrepton resistance methyltransferase
In a range of bacteria

FIGURE 11

**Secondary Structure: small subunit ribosomal RNA:
Decoding Site (A site)**

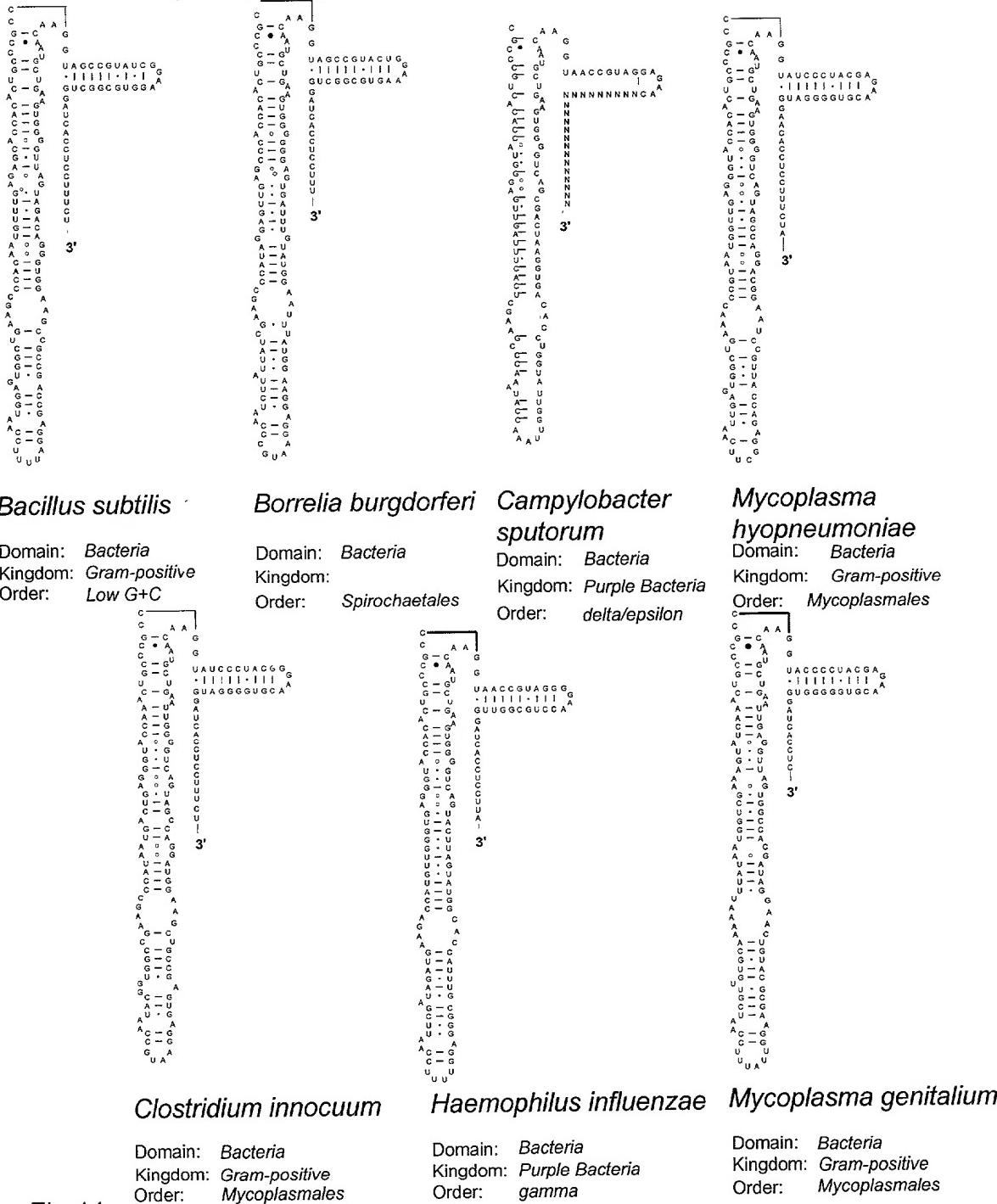


Fig 11

The decoding site of 16SrRNA for range of bacteria

FIGURE 12

Secondary Structure: small subunit ribosomal RNA

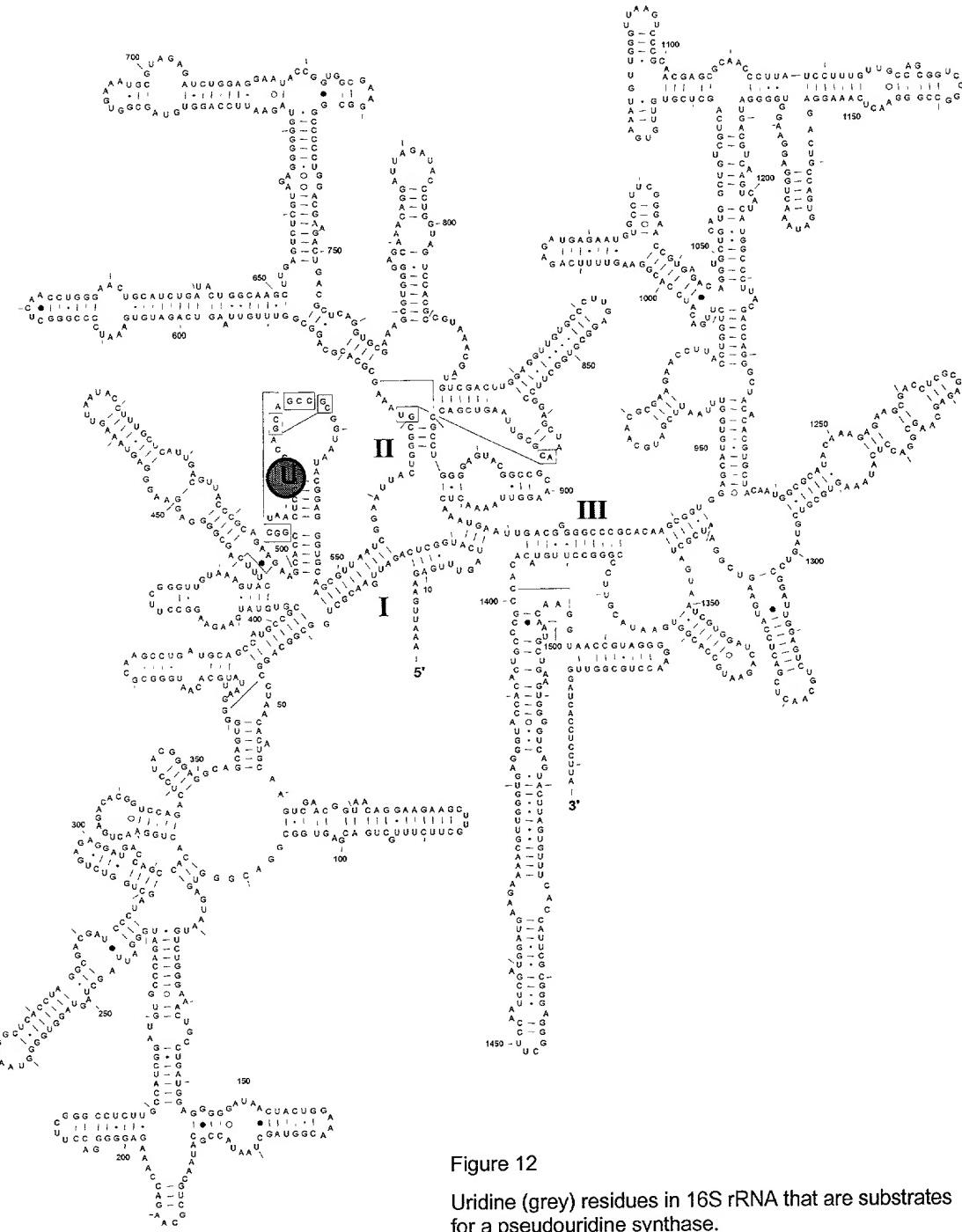


Figure 12

Uridine (grey) residues in 16S rRNA that are substrates for a pseudouridine synthase.

Escherichia coli

DOMAIN Bacteria
KINGDOM Purple Bacteria
ORDER gamma

July 3 1995 v4.0
(J01695)

FIGURE 13

Secondary Structure: large subunit ribosomal RNA - 5' half

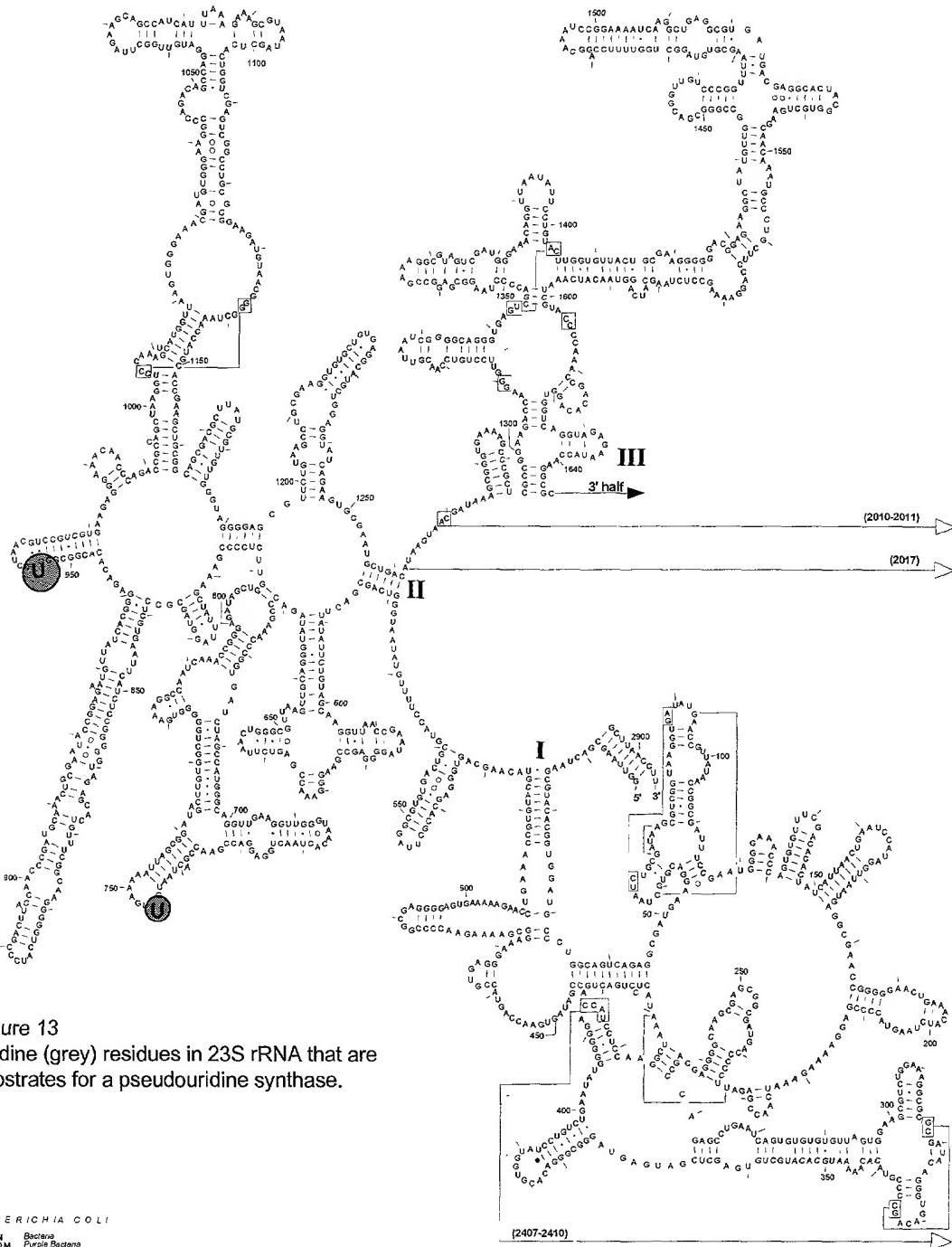


Figure 13
Uridine (grey) residues in 23S rRNA that are substrates for a pseudouridine synthase.

Escherichia coli
DOMAIN: Bacteria
KINGDOM: Purple Bacteria
ORDER: gamma
RELEASE: 23 December 1994
(J01893)

FIGURE 14

Secondary Structure: large subunit ribosomal RNA - 3' half

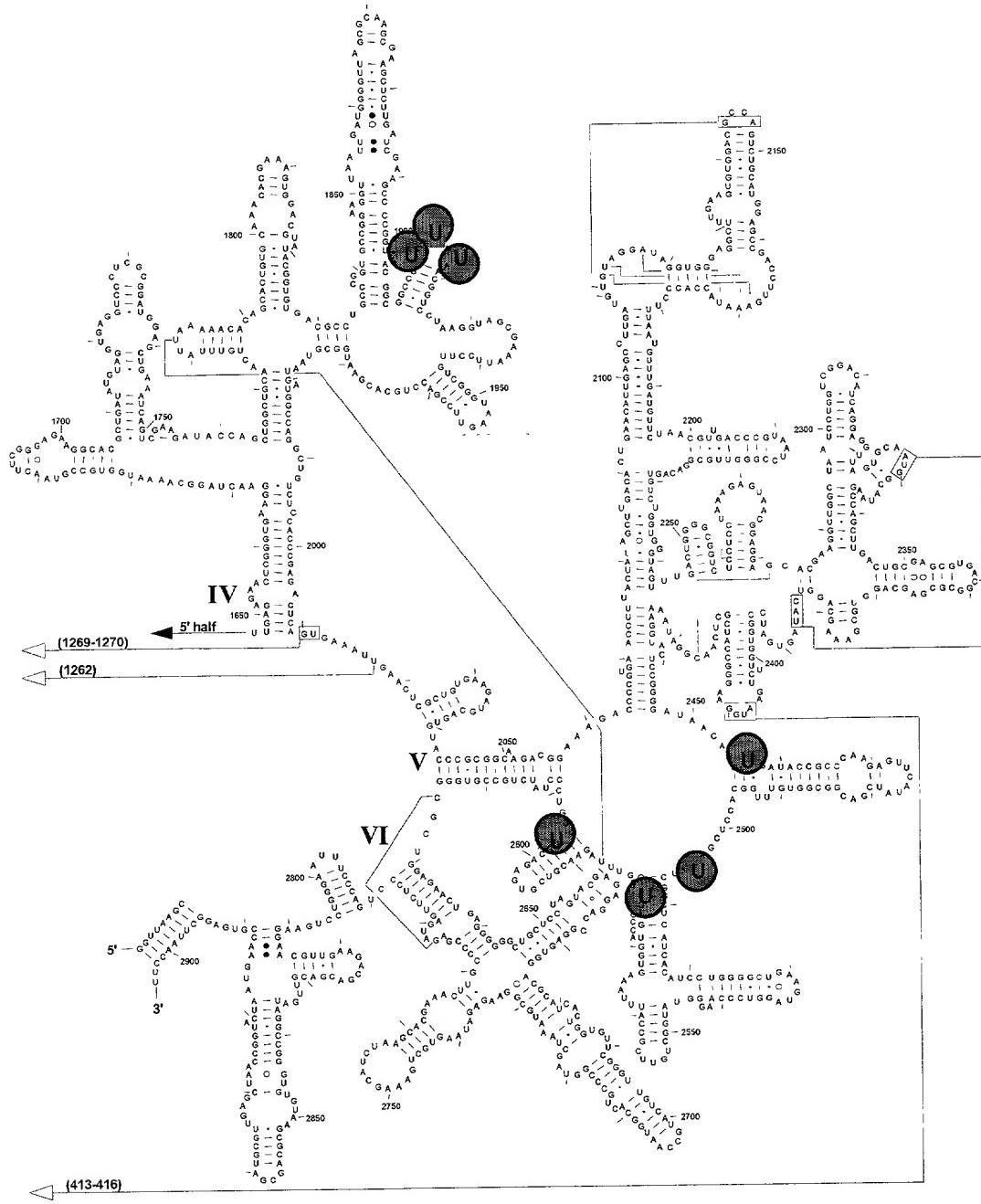


Figure 14

Uridine (grey) residues in 23S rRNA that are substrates
for a pseudouridine synthase.

E. S C H E R I C H I A C O L I

D O M A I N *Bacteria*
X I N G D O M *Purple Bacteria*
O R D E R *gamma*

R E L E A S E 23 December 1984;
(26789)

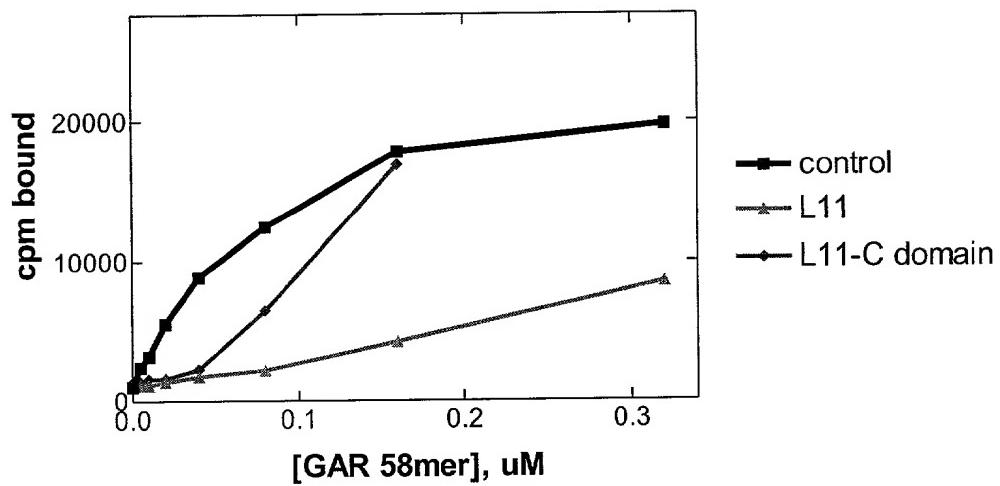
FIGURE 15

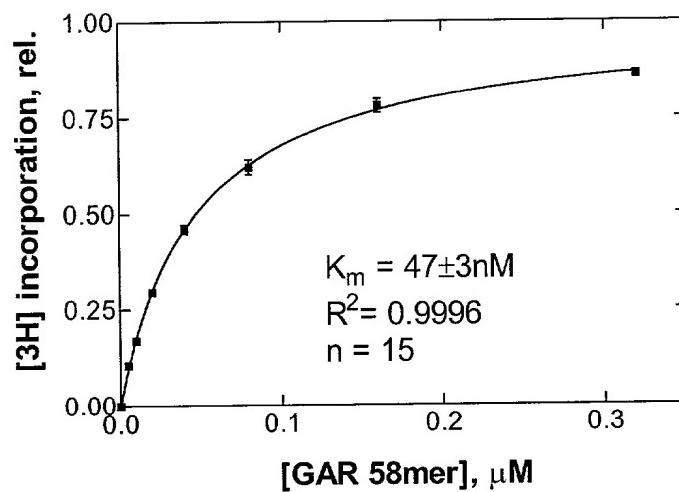
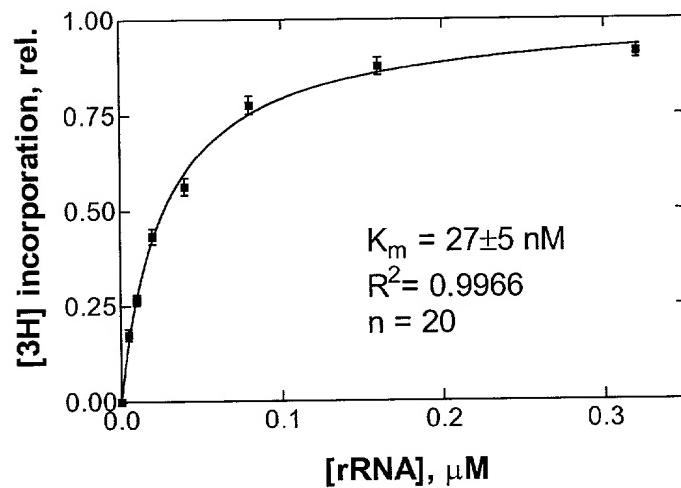
FIGURE 16**A****B**

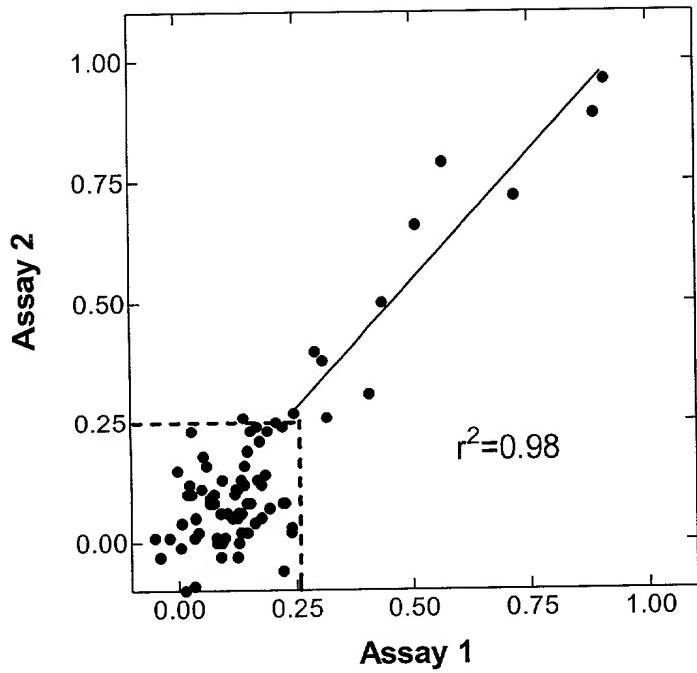
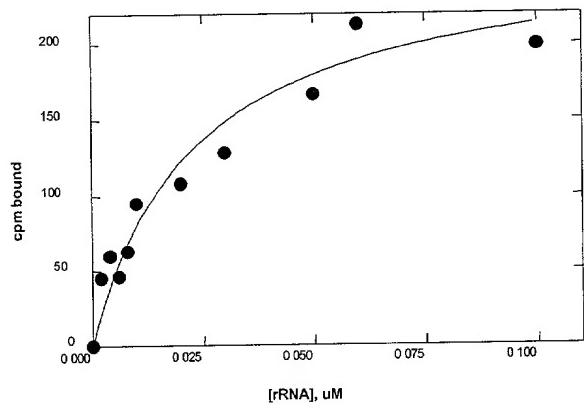
FIGURE 17**FIGURE 18**

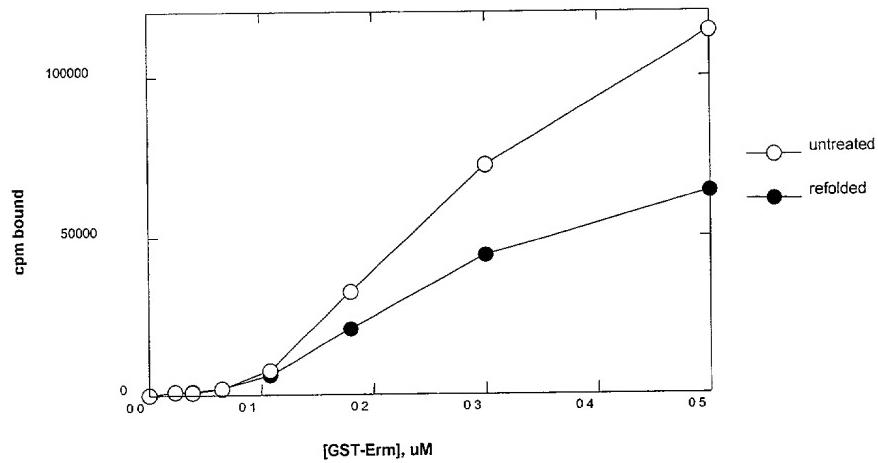
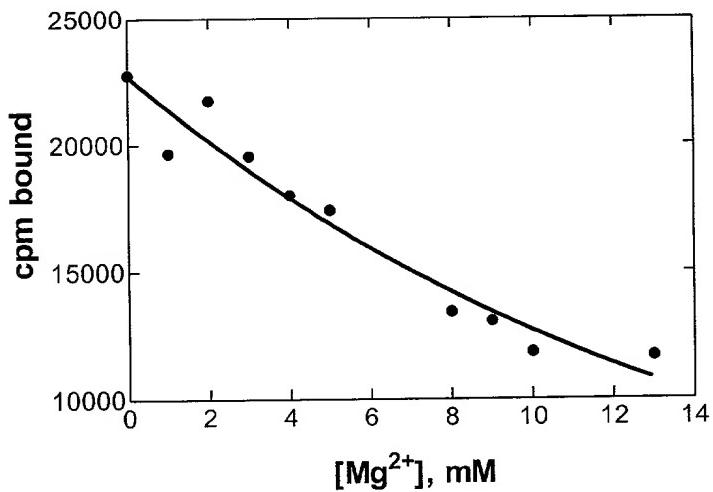
FIGURE 19**FIGURE 20**

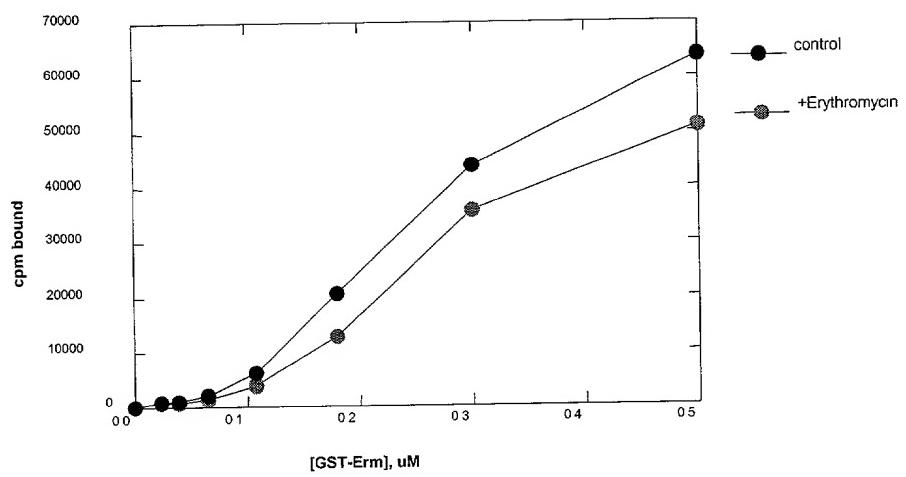
FIGURE 21

FIGURE 22